

Title (en)

THERMOPLASTIC ARTICLES COMPRISING CYCLOBUTANEDIOL HAVING A DECORATIVE MATERIAL EMBEDDED THEREIN

Title (de)

CYCLOBUTANDIOL UMFASSENDE THERMOPLASTISCHE GEGENSTÄNDE MIT DARIN EINGEBETTETEM DEKORATIVMATERIAL

Title (fr)

ARTICLES THERMOPLASTIQUES COMPRENANT DU CYCLOBUTANEDIOL ET DANS LESQUELS EST INCORPORE UN MATERIAU DECORATIF

Publication

EP 1913053 B1 20091014 (EN)

Application

EP 06749073 A 20060330

Priority

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- US 73138905 P 20051028
- US 73145405 P 20051028
- US 73886905 P 20051122
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- US 75054705 P 20051215
- US 75068205 P 20051215
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- US 75069305 P 20051215

Abstract (en)

[origin: US2006287496A1] Described are polyester compositions comprising (a) a dicarboxylic acid component comprising terephthalic acid residues; optionally, aromatic dicarboxylic acid or aliphatic dicarboxylic acid residues; minimal amounts of 2,2,4,4-tetramethyl-1,3-cyclobutanediol residues; ethylene glycol, and optionally, 1,4-cyclohexanedimethanol residues.

IPC 8 full level

C08G 63/199 (2006.01); **B32B 27/36** (2006.01); **C08L 67/02** (2006.01)

CPC (source: EP KR US)

A01G 9/1438 (2013.01 - EP US); **A47F 5/00** (2013.01 - EP US); **B01D 61/30** (2013.01 - EP US); **B32B 17/10018** (2013.01 - EP US); **B32B 27/36** (2013.01 - EP US); **B65D 1/0207** (2013.01 - EP US); **B65D 23/10** (2013.01 - EP US); **B65D 25/00** (2013.01 - EP US); **B65D 43/00** (2013.01 - EP US); **C08G 63/183** (2013.01 - KR US); **C08G 63/199** (2013.01 - EP US); **C08J 5/18** (2013.01 - EP KR US); **C08J 7/0427** (2020.01 - US); **C08J 7/123** (2013.01 - EP US); **C08K 3/32** (2013.01 - EP US); **C08K 5/521** (2013.01 - EP US); **C08L 67/02** (2013.01 - EP US); **C08L 67/03** (2013.01 - KR); **C08L 69/00** (2013.01 - EP US); **C09D 167/02** (2013.01 - US); **E01F 8/0005** (2013.01 - EP US); **E04D 13/03** (2013.01 - EP US); **G02B 1/04** (2013.01 - KR); **G02B 1/14** (2015.01 - EP); **G02F 1/133606** (2013.01 - EP US); **A61M 1/16** (2013.01 - EP US); **B29C 49/00** (2013.01 - EP US); **B29C 49/0005** (2013.01 - EP US); **B29K 2067/00** (2013.01 - EP US); **B29L 2031/7542** (2013.01 - EP US); **C08J 2367/00** (2013.01 - EP US); **C08J 2367/02** (2013.01 - EP US); **C08J 2483/00** (2013.01 - EP US); **C08K 2201/014** (2013.01 - EP US); **C08L 101/00** (2013.01 - EP US); **G02B 1/10** (2013.01 - EP US); **G02B 1/14** (2015.01 - US); **G02B 5/3083** (2013.01 - EP US); **Y02A 40/25** (2018.01 - EP US); **Y10T 428/1352** (2015.01 - EP US); **Y10T 428/139** (2015.01 - EP US); **Y10T 428/1397** (2015.01 - EP US); **Y10T 428/161** (2015.01 - EP US); **Y10T 428/162** (2015.01 - EP US); **Y10T 428/24107** (2015.01 - EP US); **Y10T 428/24479** (2015.01 - EP US); **Y10T 428/24942** (2015.01 - EP US); **Y10T 428/31504** (2015.04 - EP US); **Y10T 428/31507** (2015.04 - EP US); **Y10T 428/31663** (2015.04 - EP US); **Y10T 428/31786** (2015.04 - EP US)

C-Set (source: EP US)

1. **C08L 67/02** + **C08L 2666/02**
2. **C08L 67/02** + **C08L 2666/18**
3. **C08L 69/00** + **C08L 2666/18**
4. **C08K 3/32** + **C08L 67/00**
5. **C08K 5/521** + **C08L 67/02**

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DOCDB simple family (publication)

US 2006287496 A1 20061221; AR 055897 A1 20070912; AT E434009 T1 20090715; AT E434020 T1 20090715; AT E443095 T1 20091015; AT E443728 T1 20091015; AT E444325 T1 20091015; AT E444326 T1 20091015; AT E445659 T1 20091015; AT E449121 T1 20091215; AT E452925 T1 20100115; AT E457754 T1 20100315; AT E458772 T1 20100315; AT E461956 T1 20100415; AT E466039 T1 20100515; AT E466898 T1 20100515; AT E475683 T1 20100815; AT E488541 T1 20101215; AT E491737 T1 20110115; AT E495211 T1 20110115; AT E502068 T1 20110415; AT E522560 T1 20110915; AU 2006262852 A1 20070104; AU 2006262854 A1 20070104; BR P10611900 A2 20160906; BR P10613645 A2 20161116; BR P10613698 A2 20161116; CN 103755930 A 20140430; DE 602006007345 D1 20090730; DE 602006007346 D1 20090730; DE 602006009268 D1 20091029; DE 602006009396 D1 20091105; DE 602006009514 D1 20091112; DE 602006009519 D1 20091112; DE 602006009816 D1 20091126; DE 602006010552 D1 20091231; DE 602006011332 D1 20100204; DE 602006012319 D1 20100401; DE 602006012496 D1 20100408; DE 602006013146 D1 20100506; DE 602006013971 D1 20100610; DE 602006014160 D1 20100617; DE 602006015813 D1 20100909; DE 602006018314 D1 20101230; DE 602006018945 D1 20110127; DE 602006019597 D1 20110224; DE 602006020720 D1 20110428; EP 1891131 A1 20080227; EP 1891131 B1 20151118; EP 1891132 A1 20080227; EP 1891133 A1 20080227; EP 1891134 A1 20080227; EP 1891135 A1 20080227; EP 1891135 B1 20090617; EP 1891136 A1 20080227; EP 1891136 B1 20100428; EP 1891137 A1 20080227; EP 1891137 B1 20110316; EP 1891138 A1 20080227; EP 1891138 B1 20090923; EP 1891157 A1 20080227; EP 1891157 B1 20090617; EP 1898972 A1 20080319; EP 1898972 B1 20100217; EP 1899399 A1 20080319; EP 1899399 B1 20091118; EP 1899400 A1 20080319; EP 1899400 B1 20090930; EP 1899401 A1 20080319; EP 1899401 B1 20160427; EP 1904549 A1 20080402; EP 1904549 B1 20090916; EP 1904550 A2 20080402; EP 1904550 B1 20110112; EP 1904551 A1 20080402; EP 1907439 A1 20080409; EP 1907439 B1 20100728; EP 1907440 A1 20080409; EP 1907440 B1 20090930; EP 1907441 A1 20080409; EP 1907442 A1 20080409; EP 1907442 B1 20101117; EP 1907442 B9 20110202; EP 1907443 A1 20080409; EP 1910441 A1 20080416; EP 1910441 B1 20100324; EP 1910442 A1 20080416; EP 1910442 B1 20100505; EP 1913051 A1 20080423; EP 1913051 B1 20100224; EP 1913052 A1 20080423; EP 1913053 A1 20080423; EP 1913053 B1 20091014; EP 1913054 A1 20080423; EP 1913054 B1 20140604; EP 1913055 A1 20080423; EP 1913056 A1 20080423; EP 1913056 B1 20091223; EP 1913057 A1 20080423; EP 1913057 B1 20101215; EP 2138523 A1 20091230; EP 2138523 B1 20110831; EP 2138524 A1 20091230;

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WO 2007001571 A1 20070104; WO 2007001572 A1 20070104; WO 2007001573 A1 20070104; WO 2007001573 A8 20080124; WO 2007001575 A1 20070104; WO 2007001575 A8 20070412

DOCDB simple family (application)

US 39165906 A 20060328; AR P060101261 A 20060330; AT 06740053 T 20060330; AT 06740055 T 20060330; AT 06740270 T 20060330; AT 06740272 T 20060330; AT 06740273 T 20060330; AT 06740280 T 20060330; AT 06748952 T 20060330; AT 06749007 T 20060330; AT 06749014 T 20060330; AT 06749015 T 20060330; AT 06749019 T 20060330; AT 06749029 T 20060330; AT 06749034 T 20060330; AT 06749044 T 20060330; AT 06749045 T 20060330; AT 06749073 T 20060330; AT 06758235 T 20060330; AT 06758239 T 20060330; AT 06758240 T 20060330; AT 09012338 T 20060330; AU 2006262852 A 20060330; AU 2006262854 A 20060330; BR P10611900 A 20060330; BR P10613645 A 20060330; BR P10613698 A 20060330; CN 201310616094 A 20060330; DE 602006007345 T 20060330; DE 602006007346 T 20060330; DE 602006009268 T 20060330; DE 602006009396 T 20060330; DE 602006009514 T 20060330; DE 602006009519 T 20060330; DE 602006009816 T 20060330; DE 602006010552 T 20060330; DE 602006011332 T 20060330; DE 602006012319 T 20060330; DE 602006012496 T 20060330; DE 602006013146 T 20060330; DE 602006013971 T 20060330; DE 602006014160 T 20060330; DE 602006015813 T 20060330; DE 602006018314 T 20060330; DE 602006018945 T 20060330; DE 602006019597 T 20060330; DE 602006020720 T 20060330; EP 06740024 A 20060330; EP 06740053 A 20060330; EP 06740055 A 20060330; EP 06740206 A 20060330; EP 06740210 A 20060330; EP 06740270 A 20060330; EP 06740272 A 20060330; EP 06740273 A 20060330; EP 06740280 A 20060330; EP 06748952 A 20060330; EP 06749007 A 20060330; EP 06749014 A 20060330; EP 06749015 A 20060330; EP 06749019 A 20060330; EP 06749020 A 20060330; EP 06749029 A 20060330; EP 06749030 A 20060330; EP 06749034 A 20060330; EP 06749044 A 20060330; EP 06749045 A 20060330; EP 06749046 A 20060330; EP 06749073 A 20060330;

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